

Programming Language: Java

Java was developed in 1991 by James Gosling and other Sun Engineers, as part of the Green Project. It became public in 1994 and a year later was informed that NetScape would be using it in their Navigation Browser. Java is object oriented and contains language facilities and libraries for networking. Java is also designed to execute code from remote sources securely. A characteristic of Java is platform independence, which means that programs written in Java language must run similarly on diverse systems. This means one should be able to write a program once and run it anywhere. A major problem with other languages is manual memory management. With Java, there is an automatic memory management. When no references to an object remain, the Java garbage collector automatically deletes the object, freeing memory and preventing a memory leak.